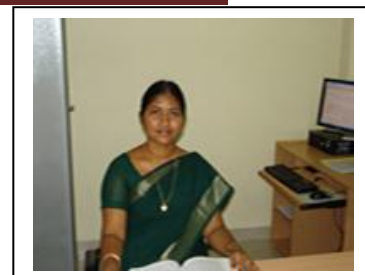


# National Institute of Technology, Tiruchirappalli: Performa for CV of Faculty/ Staff Members

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## Curriculum Vitae



Brief Profile: 1-2 paragraphs (not exceeding 500 words)

1. Name S. DEIVALAKSHMI
2. Designation: ASSISTANT PROFESSOR
3. Office Address: NATIONAL INSTITUTE OF  
TECHNOLOGY, TIRUCHIRAPPALLI
4. Telephone (Direct) (Optional):  
     Telephone : Extn (Optional):  
     Mobile (Optional):
5. Email (Primary):deiva@nitt.edu Email (Secondary) :deiva@nitt.edu
6. Field(s) of Specialization: Communication Systems, Signal &  
Image Processing
7. Employment Profile

Job Title	Employer	From	To
Assistant Professor	NIT, Trichy.	23-05-2007	Till date
Lectuter	Mepco Schlenk Engg. College	10-09-2001	21-05-2007

### 8. Academic Qualifications (From Highest Degree to High School):

Examination	Board / University	Year	Division/ Grade	Subjects
Ph.d	NIT, Trichy	Submitted thesis		
M.E	MKU	2002	First class with Distinction	Communication Systems
B.E	MKU	2000	First class	Electronics & Comm Engg.

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### 9. Academic/Administrative Responsibilities within the University

Position	Faculty/Department/Centre/Institution	From	To
Faculty advisor	Department	2007	Till date
Lab- In charge	Department	2014	Till date
BOS coordinator	Department	2014	2015
Convocation	Institution	2007	Till date

### 10. Academic/Administrative Responsibilities outside the University

Position	Institution	From	To
QPSC member	Vivekananda university	2016	2016

### 11. Awards, Associateships etc.

Year of Award	Name of the Award	Awarding Organization

### 12. Fellowships

Year of Award	Name of the Fellowship	Awarding Organization	From (Month/Year)	To (Month/Year)

### 13. Details of Academic Work

- (i) Curriculum Development -
- (ii) Courses taught at Postgraduate and Undergraduate levels-signals & Systems, Analog integrated Circuits, Image Processing, Basics of communications, Microprocessors and Microcontrollers, Embedded systems, C Programming, Cognitive Radio
- (iii) Projects guided at Postgraduate level- 09
- (iv) Other contribution(s)- acted as BOS coordinator

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### 14. Details of Major R&D Projects

Title of Project	Funding Agency	Duration		Status
		From	To	Ongoing/ Completed
Multiresolution Algorithm for image denoising and edge enhancement for CT images using discrete wavelet transforms	DRDL, Hyderabad	2004	2006	Completed

### 15. Number of PhDs guided

Name of the PhD Scholar	Title of PhD Thesis	Role(Supervisor/ Co-Supervisor)	Year of Award

### 16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
Sep 2016	Session Chair	International	Chair person	College of Engineering, Cherthala	Cochin, Kerela

### 17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue

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18. Invited Talks delivered

Topic	Date	Inviting Organization
Z-transform, Sampling theorem		KR Engineering college, Trichy
Z-transform, Sampling theorem	21 <sup>st</sup> November 2016	
Enhancement techniques	Sep 2016	Kalasalingam University, Krishnan Kovil

19. Membership of Learned Societies

Type of Membership (Ordinary Member/ Honorary Member / Life Member )	Organization	Membership No. with date
Life Member	ISTE	

20. Academic Foreign Visits

Country	Duration of Visit	Programme

21. Publications

(A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Deivalakshmi S, Palanisamy P	Removal of High Density Salt and Pepper Noise through Improved	Elsevier Int J Electron Commun (AEU)	70(6)	757-776	2016	

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	Tolerance based Selective Arithmetic Mean Filtering with Wavelet Thresholding					
Deivalakshmi S, Palanisamy P	Performance Study of Despeckling Algorithm for different Wavelet Transforms	accepted for publication in NISCAIR Journal of Scientific and Industrial Research				
S. Arivazhagan,, S. Deivalakshmi, K. Kannan, B.N.Gajbhiye, C.Muralidhar, Sijo N Lukose and M.P.Subramanian,	Multi-Resolution System for Artifact Removal and Edge Enhancement in Computerized Tomography Images	Elsevier Journal on Pattern Recognition Letter,	Vol. 28, Issue 13,	1769-1780	Oct 2007	
Deivalakshmi S, Palanisamy P.	Undecimated Balanced GHM Multiwavelet Transform based Contrast Enhancement Technique for Dark Images using Dynamic Stochastic Resonance	International Journal of Computer Applications	150(11)	0975-8887	2016	
S. Arivazhagan, S. Deivalakshmi, K. Kannan, B.N.Gajbhiye, C.Muralidhar, Sijo N Lukose and M.P.Subramanian	Performance Analysis of Image Denoising System for different levels of	International Journal of Imaging Science and Engineering (IJISE),	Vol.1,No.3,	104-107	July 2007	

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	Wavelet decomposition					
S. Arivazhagan, <b>S. Deivalakshmi</b> , K. Kannan, B.N.Gajbhiye, C.Muralidhar, Sijo N Lukose and M.P.Subramanian	Performance Analysis of Wavelet Filters for Image Denoising	International Journal of Advances in Computational Sciences and Technology	Vol.1, No.1		June 2007	
S. Arivazhagan, Dr. L. Ganeshan , <b>S. Deivalakshmi</b>	Texture Classification Using Wavelet Statistical features	Institute of Engineers IE (I),	Vol .85	51-55	Jan 2005	

**(B) Conferences/Workshops/Symposia Proceedings**

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
S. Deivalakshmi, and P. Palanisamy	Improved Tolerance based Selective Arithmetic Mean Filter for Detection and removal of Impulse Noise	5th IEEE International Conference on Industrial Information Systems(ICIIS 2010)	309-313	Industrial Information Systems	National Institute of Technology, Surathkal, Karnataka	2010
S. Deivalakshmi, S. Sarath, P. Palanisamy	Detection and Removal of Salt and Pepper noise in images by Improved Median Filter	IEEE International Conference on Recent Advances in Intelligent Computational Systems (RAICS 2011)	69	Recent Advances in Intelligent Computational Systems	Trivandrum, Kerala	during Sep 22-24 2011
S. Deivalakshmi, P. Palanisamy, S. Gireesh Kumar	Contrast Enhancement Technique for Dark Images	3rd IEEE international conference on Electronics and		Electronics and Communication Systems	Coimbatore	25th and 26th Feb

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	using Dynamic Stochastic Resonance and Complex Daubechies Wavelet Transform	Communication Systems(ICECS 16)				2016
S. Arivazhagan, <b>S. Deivalakshmi</b> , K. Kannan, B.N.Gajbhiye, C.Muralidhar, Sijo N Lukose and M.P.Subramanian	Performance Analysis of Image Denoising System for different levels of Wavelet decomposition	IEEE Ist International Conference on Advanced Computing and Communication (ICACC 2007),	776 - 779	Advanced Computing and Communication	Madurai	2007
S. Arivazhagan, <b>S. Deivalakshmi</b> , K. Kannan, B.N.Gajbhiye, C.Muralidhar, Sijo N Lukose and M.P.Subramanian	Performance Analysis of Image Denoising System for Different Thresholding Techniques	Ist IEEE International Conference on Signal and Image Processing (ICSIP, 06)	666-670	Signal and Image Processing	Hubli, Karnataka, India	2006
<b>S. Deivalakshmi</b> , S.Lilly, A.S.Shalini, and C.Shunmuga Shyamala	Moment Preserving Data Hiding	International Conference on Intelligent Systems & Control (ISCO 2006),	145-148	Intelligent Systems & Control	Coimbatore-India	2006
<b>S. Deivalakshmi</b> , Dr.P.Palanisamy, and Sunil Sriramoju	Analysis of Mammogram using Log-Gabor Wavelet Statistical Features	First international conference on Emerging trends in signal processing and VLSI Design in Guru Nanak Engineering College,			Hyderabad	2010

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(C) Books & Monographs

Author(s)	Title of Book/Monograph	Name of Publishers	Year of Publication	ISSN/ISBN Number